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TITLE: PRE-TREATING METHOD FOR **DREDGED** BOTTOM MUD

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ABSTRACT:

PROBLEM TO BE SOLVED: To reduce the amount of ions, such as a ferrous ion, eluting into separated water when **dredged** bottom mud is subjected to natural or machine dehydration treatment after adding a nonionic or anionic highmolecular coagulant to the **dredged** bottom mud, further adding an inorganic coagulant thereto, and mixing them to make flocs, by **oxidizing the dredged** bottom mud as pre- treatment.

SOLUTION: When bottom mud generated in **dredging** works of lakes, harbors or the like is treated, a nonionic or anionic highmolecular coagulant is added to and mixed with the **dredged** bottom mud having water content in ratio

of dry
weight of 150% or more, and subsequently an inorganic coagulant is added there
to make flocs. In such a treating method, after the **dredged** bottom mud is
transferred to an **oxidation** process for pre-treating where it is oxidized by
means adding an **oxidizing** agent such as oxygen, ozone, hydrogen peroxide, and
sodium hypochlorite, the treated mud is subjected to an agglutination reaction.
By transferring the **dredged** bottom mud to such an **oxidation** process to be
oxidized, divalent iron contained in the **dredged** bottom mud is changed into
trivalent iron so that iron is made not to elute into water.